PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference UWOTL 123636	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below.				
International application No. PCT/US04/32638	International filing date (day/month/year) 01 October 2004 (01.10.2004)	(Earliest) Priority Date (day/month/year) 03 October 2003 (03.10.2003)			
Applicant DANIEL SCHWARTZ					
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of					
	d, according to Rule 38.2(b), by this Authorit	ry as it appears in Box No. IV. The applicant rch report, submit comments to this Authority.			
6. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No. 1 as suggested by the applicant. as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention. b. none of the figures is to be published with the abstract.					

Form PCT/ISA/210 (first sheet) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/32638

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely.				
Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to an extent that no meaningful international search can be carried out, specifically:	such			
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule (5. 4(a) .			
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite.				
payment of any additional fees. 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, payment of a protest fee. The additional search fees were accompanied by the applicant's protest and, where applicable, payment of a protest fee.				
The additional search fees were accompanied by the applicant's protest but the applicable protest was not paid within the time limit specified in the invitation.	221 ICC			
No protest accompanied the payment of additional search fees.				

Form PCT/ISA/210 (continuation of first sheet(2)) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No.

		PC1/US04/32638			
	SIFICATION OF SUBJECT MATTER				
IPC(7)	: C25D 17/00				
US CL	: 204/224R	1 mg	•		
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED					
	cumentation searched (classification system followed by	y classification symbols)			
U.S. : 20-	4/224R,280,205/118,133,137				
Documentatio	on searched other than minimum documentation to the	extent that such documents are included i	n the fields searched		
	ì				
Electronic dat	ta base consulted during the international search (name	of data base and, where practicable, sear	rch terms used)		
		•	ļ		
C. DOCI	JMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap	propriate of the relevant passages	Relevant to claim No.		
X	U.S. 6,390,610 (HAWKINS et al.) 21 May 2002 (21.)		1, 2 and 5-8		
	figures 1-3 and 5d.	03.2002), Column o mics 23-37, and	1, 2 and 3-6		
_ Y	nguics 1-5 and 5d.		3, 4, and 9-22		
-	•		' '		
Y	U.S. 5,641,391 (HUNTER et al.) 24 June 1997 (24.06.1997), column column 5 line 5		3, 9-11 and 13-21		
- ·	column 6 line 4, and figure 3.	,	İ		
Y	U.S. 6,080,288 (SCHAWRTZ et al.) 27 June 2000 (2	7.06.2000), column 4 lines 15-25, and	4 and 22		
	figures 1.		ļ		
Y	U.S. 6,027,630 (COHEN) 22 February 2000 (22.02.2000), column 13 lines 23-39.		22		
	•	•			
	·				
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Further	documents are listed in the continuation of Box C.	See patent family annex.			
	pecial categories of cited documents:	"T" later document published after the int	ernational filing date or priority		
		date and not in conflict with the appli	cation but cited to understand the		
	t defining the general state of the art which is not considered to be of relevance	principle or theory underlying the inve	ention		
particulai	Televalice	"X" document of particular relevance; the			
"E" earlier ap	plication or patent published on or after the international filing date	considered novel or cannot be considered when the document is taken alone	ered to involve an inventive step		
	t which may throw doubts on priority claim(s) or which is cited to				
establish specified)	the publication date of another citation or other special reason (as	"Y" document of particular relevance; the			
-		considered to involve an inventive step when the document is combined with one or more other such documents, such combination being			
"O" document	t referring to an oral disclosure, use, exhibition or other means	obvious to a person skilled in the art	:		
"P" documen	t published prior to the international filing date but later than the	"&" document member of the same patent	family		
priority date claimed					
Date of the a	Date of the actual completion of the international search Date of mailing of the international search report				
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27 January 2006 (27.01.2006)		Authorized officer	J. 0 . 0 0 (
	Name and mailing address of the ISA/US Mail Stop PCT, Atm: ISA/US Authorized officer				
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P.O. Box 1450			1)		
Alexandria, Virginia 22313-1450 Telephone No. 571-272-1342					

Form PCT/ISA/210 (second sheet) (April 2005)